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ARMY ELECTRONICS COMMAND WHITE SANDS MISSILE RANGE N--ETC F/G 4/2
15002 LITTLE JOHN MISSILE NUMBER 3139, ROUND NUMBER 723 RG (11 --ETC(U)
JAN 77

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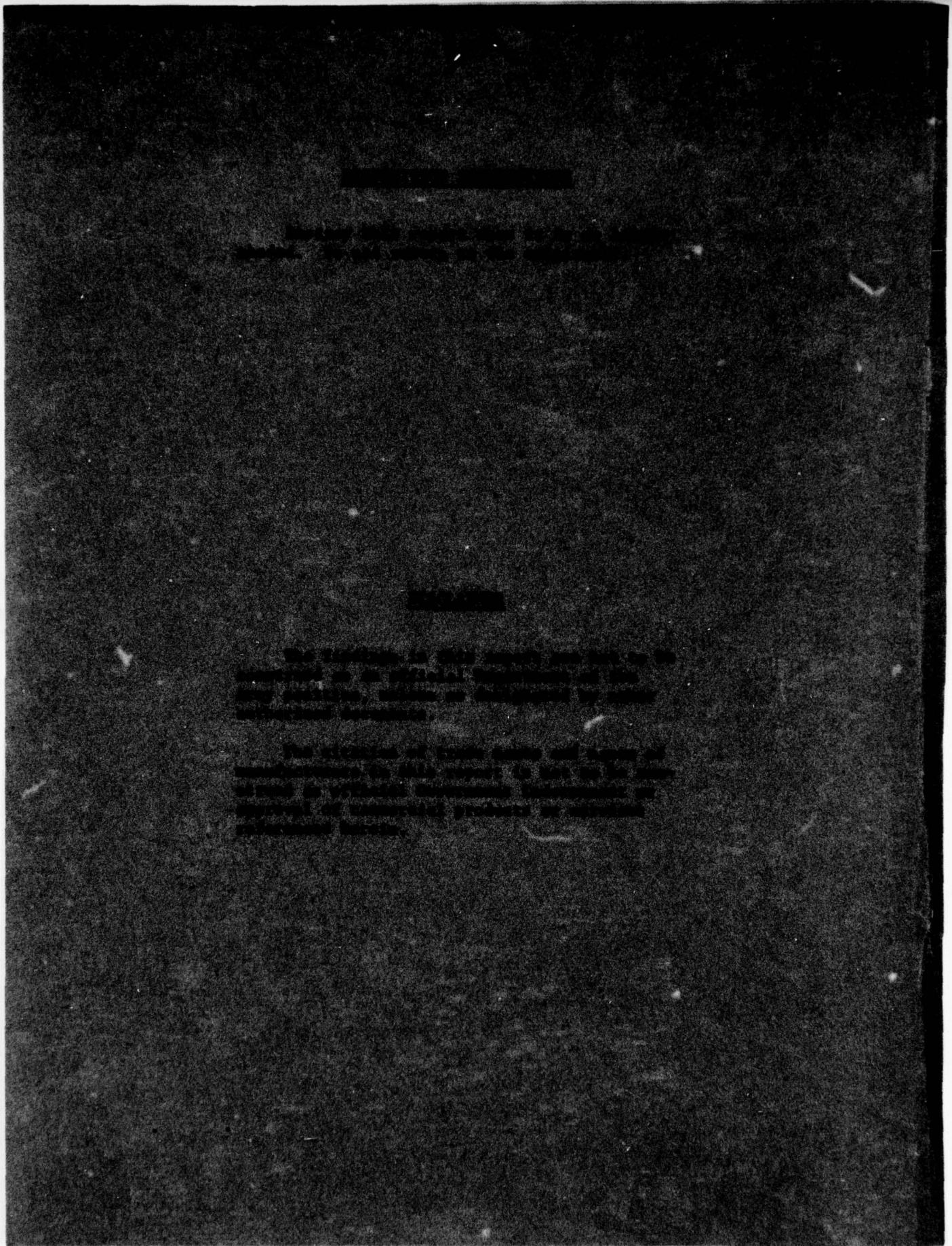


WORLD METEOROLOGICAL DATA SYSTEM

15002 LITTON, JOHN
MISSION NO. 1000 - 1000-100-100
(11 January 1973)

BY

WORLD METEOROLOGICAL TEAM



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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Metereological data gathered for the launching of 15002 Little John, Missile Number 3139, Round Number 723 RG, are presented in tabular form.		

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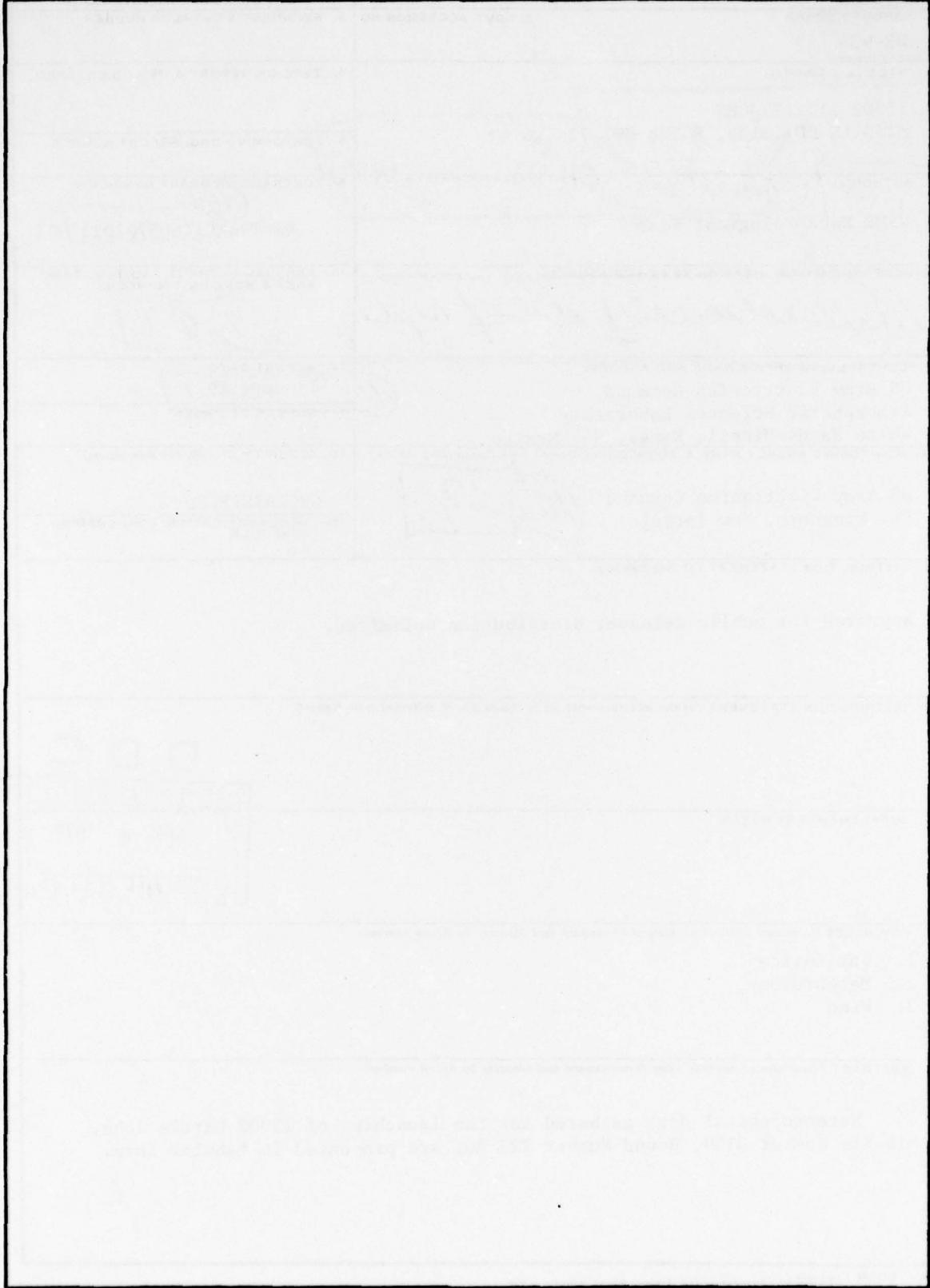
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CONTENTS

	PAGE
INTRODUCTION -----	1
DISCUSSION -----	1
TABLES	
I. Surface Observations Taken at SW-50 -----	1
II. Anemometer-Measured Wind Speed and Direction, Pole No. 1 -----	2
III. Pilot-Balloon-Measured Wind Data, Release No. 1 at 1005 MST -----	4
IV. Pilot-Balloon-Measured Wind Data, Release No. 1 at 1011 MST -----	6
V. Jallen Significant Level Data (Release Time: 1000 MST) -----	8
VI. Jallen Upper Air Data (Release Time: 1000 MST) -----	10
VII. Jallen Mandatory Levels (Release Time: 1000 MST) -----	15

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INTRODUCTION

15002 Little John, Missile Number 3139, Round Number 723 RG, was launched from SW-50, White Sands Missile Range (WSMR), New Mexico, at 1005 HRS MST, 11 January 1977. The scheduled launch time was 1000 HRS MST.

DISCUSSION

Meteorological data were recorded and reduced by the WSMR Meteorological Team, Atmospheric Sciences Laboratory (ASL), WSMR, New Mexico. The data are presented in the following tabulations.

ELEVATION	3,997.06	FEET/MSL
PRESSURE	879.2	MBS
TEMPERATURE	3.5	°C
RELATIVE HUMIDITY	42	%
DEW POINT	-8.1	°C
DENSITY	1,104.0	GM/M ³
WIND SPEED		CALM
WIND DIRECTION		CALM
CLOUD COVER	2/10	Cs

TABLE I. SURFACE OBSERVATIONS TAKEN AT SW-50,
1005 HRS MST/11 JANUARY 1977.

T-TIME (MIN-SEC)	SPEED (MPH)	DIR DEG	T-TIME (MIN-SEC)	SPEED (MPH)	DIR DEG	T-TIME (MIN-SEC)	SPEED (MPH)	DIR DEG
-5.00	CALM		-0 9.5	CALM		-0 0.50	CALM	
-4.30			-0 9.0			-0 0.25		
-4.00			-0 8.5			0 0.00		
-3.30			-0 8.0			+0 0.25		
-3.00			-0 7.5			+0 0.50		
-2.30			-0 7.0			+0 0.75		
-2.00			-0 6.5			+0 1.00		
-1.45			-0 6.0			+0 1.25		
-1.30			-0 5.5			+0 1.50		
-1.15			-0 5.0			+0 1.75		
-0.60			-0 4.5			+0 2.00		
-0.55			-0 4.0			+0 2.25		
-0.50			-0 3.5			+0 2.50		
-0.45			-0 3.0			+0 2.75		
-0.40			-0 2.5			+0 3.00		
-0.35			-0 2.0			+0 3.25		
-0.30			-0 1.75			+0 3.50		
-0.25			-0 1.50			+0 3.75		
-2.20			-0 1.25			+0 4.00		
-0.15			-0 1.00			+0 4.25		
-0.10	CALM		-0 0.75	CALM		+0 4.50	CALM	

TABLE II. ANEMOMETER-MEASURED WIND SPEED AND DIRECTION, POLE NO. 1
 15002 LITTLE JOHN, MISSILE NO. 3139, ROUND NO. 723 RG
 LAUNCHED FROM SW-70, 1005 MST/11 JANUARY 1977

WSTM COORDINATES: X = 467,067.46 Y = 440,662.81 Z = 3,997.06

T-TIME (MIN-SEC)	SPEED (MPH)	DIR DEC	T-TIME (MIN-SEC)	SPEED (MPH)	DIR DEC	T-TIME (MIN-SEC)	SPEED (MPH)	DIR DEC
+0 4.75	CALM		+0 10.00	CALM		+0 20.50	CALM	
+0 5.00			+0 10.50			+0 21.00		
+0 5.25			+0 11.00			+0 21.50		
+0 5.50			+0 11.50			+0 22.00		
+0 5.75			+0 12.00			+0 22.50		
+0 6.00			+0 12.50			+0 23.00		
+0 6.25			+0 13.00			+0 23.50		
+0 6.50			+0 13.50			+0 24.00		
+0 6.75			+0 14.00			+0 24.50		
+0 7.00			+0 14.50			+0 25.00		
+0 7.25			+0 15.00			+0 25.50		
+0 7.50			+0 15.50			+0 26.00		
+0 7.75			+0 16.00			+0 26.50		
+0 8.00			+0 16.50			+0 27.00		
+0 8.25			+0 17.00			+0 27.50		
+0 8.50			+0 17.50			+0 28.00		
+0 8.75			+0 18.00			+0 28.50		
+0 9.00			+0 18.50			+0 29.00		
+0 9.25			+0 19.00			+0 29.50		
+0 9.50			+0 19.50			+0 30.00	CALM	
+0 9.75	CALM		+0 20.00	CALM				

TABLE II. (CONT)

HEIGHT (FEET)	DIRECTION (DEGREES)	SPEED (MPH)	HEIGHT (FEET)	DIRECTION (DEGREES)	SPEED (MPH)
SUR		CALM	2100	206	7.0
100			2200	207	7.0
200			2300	209	7.5
300			2400	208	8.5
400			2500	207	10.0
500		CALM	2600	207	11.0
600	126	0.5	2700	208	11.5
700		2.0	2800	209	
800		3.0	2900	210	
900		4.5	3000	211	
1000	126	6.0	3100	212	11.5
1100	128	6.5	3200	213	12.0
1200	138	6.5	3300	216	11.5
1300	148	6.5	3400	221	10.5
1400	167	6.0	3500	227	10.0
1500	196	6.5	3600	234	9.5
1600	198		3700	241	8.5
1700	200		3800	242	6.5
1800	201		3900	242	5.0
1900	203	6.5	4000	218	5.0
2000	204	7.0	4100	205	6.5

TABLE III. PILOT-BALLOON-MEASURED WIND DATA, RELEASE NO. 1
RELEASED FROM SW-50, AT 1005 MST/11 JANUARY 1977
15002 LITTLE JOHN, MISSILE NO. 3139, ROUND NO. 723 RG

PIBAL RELEASE POINT WSTM COORDINATES:

X = 467,067.46 Y = 440,662.81 Z = 3,997.06

NOTE: WIND DIRECTION DATA ARE REFERENCED TO THE FIRING AZIMUTH 171.0°.

HEIGHT (FEET)	DIRECTION (DEGREES)	SPEED (MPH)
4200	207	7.0
4300	208	7.5
4400	209	8.0
4500	210	8.5
4600	210	9.0
4700	211	9.5
4800	211	8.5
4900	211	8.0
5000	211	7.5

TABLE III. (CONT)

NOTE: WIND DIRECTION DATA ARE REFERENCED TO THE FIRING AZIMUTH 171.0°.

HEIGHT (FEET)	DIRECTION (DEGREES)	SPEED (MPH)	HEIGHT (FEET)	DIRECTION (DEGREES)	SPEED (MPH)
SUR		CALM	2100	004	4.0
100	017	0.5	2200	005	4.5
200	017	0.5	2300	008	5.5
300	017	1.0	2400	010	6.0
400	017	1.0	2500	012	6.5
500	020	1.0	2600	015	7.0
600		CALM	2700	019	7.0
700	124	0.5	2800	022	7.0
800	174	1.0	2900	026	7.0
900	191	1.0	3000	032	6.5
1000	201	1.0	3100	039	6.0
1100	207	1.5	3200	046	5.5
1200	214		3300	039	6.5
1300	222		3400	034	7.0
1400	232		3500	030	8.0
1500	243	1.5	3600	034	8.5
1600	291	1.0	3700	040	9.5
1700	344	1.0	3800	044	10.0
1800	002	2.0	3900	048	10.5
1900	005	2.5	4000	053	11.0
2000	004	3.5	4100	057	11.0

TABLE IV. PILOT-BALLOON-MEASURED WIND DATA, RELEASE NO. 1
RELEASED FROM D 3 1/2, AT 1011 MST/11 JANUARY 1977
15002 LITTLE JOHN, MISSILE NO. 3139, ROUND NO. 723 RG

PIBAL RELEASE POINT WSTM COORDINATES:

X = 443,023.73 Y = 388,397.95 Z = 3,972.63

APPROXIMATELY: 8 MILES SOUTHWEST OF LAUNCHER.

NOTE: WIND DIRECTION DATA ARE REFERENCED TRUE NORTH.

HEIGHT (FEET)	DIRECTION (DEGREES)	SPEED (MPH)
4200	059	11.0
4300	054	9.5
4400	047	8.5
4500	038	7.5
4600	047	7.0
4700	037	7.0
4800	036	6.5
4900	036	7.0
5000	036	7.5

TABLE IV. (CONT)

NOTE: WIND DIRECTION DATA ARE REFERENCED TRUE NORTH.

STATION ALTITUDE 4051.00 FEET MSL
 11 JAN. 77
 ASCENSION NO. 12

SIGNIFICANT LEVEL DATA
 C110030012
 JALLEN
 TABLE V

WSTM SITE COORDINATES
 450491.60 FEET E
 464023.05 FEET N

PRESSURE MILLIBARS	GEOMETRIC ALITUDE MSL FEET	TEMPERATURE AIR DEWPONT DEGREES CENTIGRADE	REL.HUM. PERCENT
979.8	4051.0	3.2	33.0
868.2	4402.8	1.2	36.0
850.0	4963.8	2.6	31.0
812.2	6169.9	1.9	32.0
301.6	6518.7	3.3	31.0
738.2	8705.2	1.6	27.0
700.0	10104.1	-1.0	19.0
649.8	12038.1	-5.4	21.0
640.8	12397.3	-6.1	35.0
612.0	13574.1	-8.7	22.0
568.6	15436.0	-11.9	34.0
515.8	17869.3	-15.9	19.0
500.0	18637.6	-17.6	20.0
467.5	20278.7	-21.7	19.0
454.2	20975.4	-23.5	72.0
446.8	21369.6	-24.7	59.0
439.6	21757.9	-25.6	59.0
409.4	23440.4	-30.1	29.0
400.0	23983.3	-31.2	99.0
348.0	27180.9	-38.6	44.7
316.2	29325.2	-43.4	48.9
300.0	30484.7	-45.5	54.0
250.0	34422.1	-52.8	
244.6	34885.1	-53.8	
200.0	39097.4	-58.6	
180.0	41268.4	-60.6	
167.4	42754.4	-58.5	
152.4	44712.1	-57.9	
150.0	45043.1	-56.4	
144.8	45780.4	-57.0	

STATION ALTITUDE 4051.00 FEET MSL
11 JAN. 77 1000 HRS MST
ASCENSION NO. 12

SIGNIFICANT LEVEL DATA

C1100 30012
JALLEN

TABLE V (CONT)

PRESSURE MILLIBARS	GEOMETRIC MILLIBARS MSL FEET	TEMPERATURE DEGREES	AIR DEWPPOINT CENTIGRADE	REL.HUM. PERCENT
141.4	46277.7	-55.8		
128.2	48328.7	-57.0		
106.6	52130.3	-62.6		
100.0	53433.7	-61.5		
89.8	55617.7	-64.6		
73.9	59523.6	-66.9		
70.0	60605.0	-66.8		
59.4	65721.9	-59.7		
50.0	67459.7	-60.6		
46.0	69198.2	-54.7		

STATION ALTITUDE 4051.00 FEET MSL
11 JAN. 77 1000 HRS MST
ASCENSION NO. 12

UPPER AIR DATA
C110030012
JALLEN
TABLE VI

WSTM SITE COORDINATES
450491.60 FEET E
464023.05 FEET N

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE DEGREES	AIR DEWPOINT DEGREES	REL. HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF WIND DATA KNOTS	DIRECTION DEGREES (TN)	SPEED KNOTS	INDEX OF REFRACTION	
									GM/CUBIC METER	SOUND KNOTS
4051.0	879.8	3.2	-11.5	33.0	1107.9	648.0	0	0	1.000259	1.0
4500.0	865.0	1.4	-12.3	35.1	1096.3	645.9	355.8	355.8	1.000256	2.1
5000.0	848.8	2.6	-12.8	31.0	1071.4	647.2	355.8	355.8	1.000250	
5500.0	833.0	2.3	-12.9	31.4	1052.4	646.9	355.8	355.8	1.000246	
6000.0	817.4	2.0	-13.0	31.9	1033.9	646.6	10.9	10.9	1.000242	
6500.0	802.2	3.2	-12.2	31.1	1010.0	648.0	21.6	21.6	1.000237	
7000.0	787.2	2.9	-12.9	30.1	992.2	647.7	31.0	31.0	1.000232	
7500.0	772.5	2.5	-13.6	29.2	975.1	647.2	37.8	37.8	1.000228	
8000.0	756.1	2.1	-14.3	28.3	958.3	646.7	36.0	36.0	1.000224	
8500.0	743.9	1.8	-15.0	27.4	941.8	646.2	26.5	26.5	1.000219	
9000.0	730.0	1.1	-16.6	25.3	926.6	645.4	11.5	11.5	1.000215	
9500.0	716.2	1	-18.8	22.5	912.4	644.2	357.5	357.5	1.000210	
10000.0	702.8	-8	-21.1	19.6	898.4	643.1	344.6	344.6	1.000206	
10500.0	689.4	-1.9	-22.2	19.4	884.9	641.8	331.9	331.9	1.000202	
11000.0	676.3	-3.0	-22.8	19.9	871.7	640.4	319.1	319.1	1.000199	
11500.0	663.4	-4.2	-23.5	20.4	858.8	639.1	305.7	305.7	1.000196	
12000.0	650.8	-5.3	-24.2	21.0	846.0	637.7	289.5	289.5	1.000193	
12500.0	638.2	-6.3	-19.6	33.9	832.6	636.6	278.3	278.3	1.000192	
13000.0	625.9	-7.4	-22.6	28.3	820.1	635.2	273.9	273.9	1.000188	
13500.0	613.8	-8.5	-26.0	22.8	807.7	633.9	271.3	271.3	1.000184	
14000.0	601.8	-9.4	-25.9	24.7	794.6	632.8	266.4	266.4	1.000181	
14500.0	590.0	-10.3	-25.3	28.0	781.6	631.8	262.0	262.0	1.000178	
15000.0	578.5	-11.2	-24.8	31.2	768.8	630.8	257.1	257.1	1.000176	
15500.0	567.1	-12.0	-24.7	33.6	756.2	629.7	253.2	253.2	1.000173	
16000.0	555.9	-12.8	-26.5	30.5	743.6	628.7	249.9	249.9	1.000170	
16500.0	544.9	-13.6	-28.4	27.4	731.2	627.7	247.2	247.2	1.000166	
17000.0	534.1	-14.5	-30.4	24.4	719.0	626.7	245.1	245.1	1.000163	
17500.0	523.5	-15.3	-32.5	21.3	707.0	625.7	244.1	244.1	1.000160	
18000.0	513.1	-16.2	-34.3	19.2	695.4	624.6	243.4	243.4	1.000157	
18500.0	502.8	-17.3	-34.9	19.8	684.4	623.2	243.3	243.3	1.000154	

STATION ALTITUDE 4051.00 FEET MSL
 11 JAN. 77 1000 HRS MST
 ASCENSION NO. 12

UPPER AIR DATA
 0110030012
 JALIEN
 TABLE VI (CONT)

WSTM SITE COORDINATES
 450491.60 FEET E
 464023.05 FEET N

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE DEGREES CENTIGRADE	REL.HUM. PERCENT	SOUND METER	WIND DATA		INDEX OF REFRACTION
					DIRECTION DEGREES(1TN)	SPEED KNOTS	
19000.0	492.6	-18.5	19.8	673.9	621.7	243.2	44.4
19500.0	482.6	-19.8	19.5	663.4	620.2	243.1	44.1
20000.0	472.9	-21.0	19.2	653.2	618.7	243.1	44.1
20500.0	463.2	-22.3	19.0	643.0	617.1	243.2	44.1
21000.0	453.7	-23.6	21.2	633.0	615.6	242.8	45.2
21500.0	444.4	-25.0	20.7	623.6	613.8	242.5	46.2
22000.0	435.1	-26.2	20.9	613.7	612.3	243.4	47.0
22500.0	426.0	-27.6	20.4	604.1	610.6	244.6	47.7
23000.0	417.1	-28.9	20.2	594.7	609.0	246.5	48.2
23500.0	408.4	-30.2	20.3	585.3	607.3	248.1	49.0
24000.0	399.7	-31.2	19.4	575.4	606.1	247.9	50.7
24500.0	391.1	-32.4	19.3	565.7	604.6	247.6	52.4
25000.0	382.7	-33.6	20.3	556.2	603.1	246.6	53.6
25500.0	374.4	-34.7	20.7	546.9	601.6	245.7	55.0
26000.0	366.4	-35.9	19.4	537.8	600.2	245.3	57.0
26500.0	358.5	-37.0	19.6	528.8	598.7	244.4	59.4
27000.0	350.8	-38.2	19.9	520.0	597.2	242.5	62.9
27500.0	343.1	-39.3	19.3	511.0	595.8	240.8	66.2
28000.0	335.5	-40.4	19.3	502.2	594.3	239.2	69.0
28500.0	328.1	-41.6	17.3	493.4	592.9	238.2	72.0
29000.0	320.8	-42.7	18.2	484.9	591.5	237.8	75.1
29500.0	313.7	-43.7	10.6	476.3	590.1	237.4	78.4
30000.0	306.7	-44.6	6.6	467.5	588.9	236.8	82.1
30500.0	299.8	-45.5	2.2	458.8	587.8	236.4	86.4
31000.0	292.9	-46.5	7.7	450.1	586.6	236.1	91.6
31500.0	286.2	-47.4	4.4	441.6	585.4	235.8	96.0
32000.0	279.7	-48.3	3.3	433.3	584.2	235.6	98.7
32500.0	273.3	-49.2	2.2	425.2	583.0	235.3	101.4
33000.0	267.0	-50.2	1.7	417.2	581.7	234.8	101.5
33500.0	260.9	-51.1	0.3	409.3	580.5	234.2	101.2

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 4051.00 FEET MSL
 11 JAN. 77 1000 HRS MST
 ASCENSION NO. 12

UPPER AIR DATA
 0110030012
 JALLEN
 TABLE VI (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES		REL.HUM. PERCENT	DENSITY GM/CUBIC METER	WIND DATA SPEED KNOTS	INDEX OF REFRACTION	
		DEGREES	CENTIGR Ade			DIRECTION DEGREES	SOUND DEGREES (TN)	
34000.0	254.9	-52.0		401.6	579.3	233.5	100.4	1.000089
34500.0	249.1	-53.0		394.1	578.1	232.7	99.3	1.000088
35000.0	243.3	-53.9		386.6	576.8	232.5	97.3	1.000086
35500.0	237.5	-54.5		378.4	576.1	232.5	94.8	1.000084
36000.0	231.9	-55.1		370.5	575.3	233.4	93.0	1.000083
36500.0	226.4	-55.6		362.7	574.6	234.6	91.4	1.000081
37000.0	221.1	-56.2		355.0	573.8	236.1	91.7	1.000079
37500.0	215.9	-56.8		347.5	573.1	237.7	92.8	1.000077
38000.0	210.8	-57.3		340.2	572.3	239.2	93.0	1.000076
38500.0	205.8	-57.9		333.1	571.5	240.6	92.5	1.000074
39000.0	200.9	-58.5		326.1	570.8	241.9	91.4	1.000073
39500.0	196.1	-59.0		319.0	570.1	243.2	89.1	1.000071
40000.0	191.4	-59.4		312.0	569.5	244.5	87.0	1.000069
40500.0	186.8	-59.9		305.2	568.9	245.3	86.0	1.000068
41000.0	182.4	-60.4		298.5	568.3	246.0	85.0	1.000066
41500.0	178.0	-60.3		291.3	568.4	246.3	83.7	1.000065
42000.0	173.7	-59.6		283.4	569.3	246.4	82.2	1.000063
42500.0	169.6	-58.9		275.7	570.3	246.4	81.3	1.000061
43000.0	165.5	-58.4		268.5	570.9	246.0	81.3	1.000060
43500.0	161.6	-58.3		261.9	571.1	245.7	81.4	1.000058
44000.0	157.7	-58.1		255.5	571.3	246.0	82.2	1.000057
44500.0	154.0	-58.0		249.3	571.5	246.3	82.9	1.000056
45000.0	150.3	-56.6		241.8	573.3	247.2	79.6	1.000054
45500.0	146.8	-56.8		236.3	573.1	248.3	76.2	1.000053
46000.0	143.3	-56.5		230.4	573.5	249.1	73.1	1.000051
46500.0	139.9	-55.9		224.4	574.2	249.8	70.1	1.000050
47000.0	136.6	-56.2		219.4	573.8	250.6	68.2	1.000049
47500.0	133.4	-56.5		214.5	573.4	251.4	68.4	1.000048
48000.0	130.2	-56.8		209.7	573.0	252.2	68.6	1.000047
48500.0	127.1	-57.1		205.1	572.4	253.8	68.5	1.000046

STATION ALTITUDE 4051.00 FEET MSL
 11 JAN. 77 1000 HRS MST
 ASCENSION NO. 12

UPPER AIR DATA
 C11003C012
 JALLEN

TABLE VI (CONT)

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE DEGREES CENTIGRADE	REL. HUM. AIR DEWPOINT PERCENT			SOUND METER KNOTS	WIND DIRECTION DEGREES (TIN) KNOTS	INDEX OF REFRACTION
			6000.0	5000.0	4000.0			
49000.0	124.1	-58.0	200.0	571.4	255.3	68.5	1.000045	
49500.0	121.1	-58.7	196.3	570.5	256.8	67.6	1.000044	
50000.0	118.2	-59.5	192.7	569.5	258.3	66.7	1.000043	
50500.0	115.4	-60.2	188.7	568.5	259.2	65.1	1.000042	
51000.0	112.6	-60.9	184.0	567.5	259.8	63.1	1.000041	
51500.0	109.9	-61.7	181.1	566.5	260.4	61.1	1.000040	
52000.0	107.3	-62.4	177.3	565.6	259.5	58.7	1.000039	
52500.0	104.7	-62.3	172.9	565.7	258.6	56.4	1.000039	
53000.0	102.1	-61.9	168.4	566.3	257.3	54.4	1.000038	
53500.0	99.7	-61.6	164.1	566.6	255.6	52.7	1.000037	
54000.0	97.2	-62.3	160.7	565.7	253.8	51.2	1.000036	
54500.0	94.9	-63.0	157.3	564.7	254.0	50.2	1.000035	
55000.0	92.6	-63.7	154.0	563.8	254.2	49.3	1.000034	
55500.0	90.3	-64.4	150.8	562.8	255.4	48.4	1.000034	
56000.0	88.1	-64.8	147.7	562.3	257.6	47.5	1.000033	
56500.0	85.9	-65.1	143.9	561.9	259.9	46.7	1.000032	
57000.0	83.8	-65.4	140.6	561.5	262.2	43.9	1.000031	
57500.0	81.8	-65.7	137.7	561.1	264.8	41.2	1.000031	
58000.0	79.7	-66.0	134.1	560.7	266.5	38.9	1.000030	
58500.0	77.8	-66.3	131.0	560.3	267.2	37.2	1.000029	
59000.0	75.9	-66.6	127.9	559.9	268.0	35.4	1.000028	
59500.0	74.0	-66.9	125.0	559.5	265.7	34.5	1.000028	
60000.0	72.2	-66.9	121.8	559.6	263.4	33.7	1.000027	
60500.0	70.4	-56.8	118.8	559.6	260.6	31.9	1.000026	
61000.0	68.7	-66.3	115.6	560.4	257.2	29.1	1.000026	
61500.0	67.0	-65.6	112.4	561.3	253.1	26.3	1.000025	
62000.0	65.3	-64.9	109.7	562.2	252.5	23.3	1.000024	
62500.0	63.8	-64.2	106.7	563.2	252.1	20.3	1.000024	
63000.0	62.2	-63.5	103.4	564.1	251.8	17.8	1.000023	
63500.0	60.7	-62.8	100.5	565.0	251.8	16.1	1.000022	

STATION ALTITUDE 4051.00 FEET MSL
 11 JAN. 77 1000 HRS MST
 ASCENSION NO. 12

UPPER AIR DATA
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 TABLE VI (CONT)

WSTM SITE COORDINATES
 450491.60 FEET E
 464023.05 FEET N

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	DEWPONT CENTIGRADE	REL.HUM. PERCENT	SPEED OF SOUND METER KNOTS	WIND DATA		INDEX OF REFRACTION
						GM/CUBIC METER	DIRECTION DEGREES(TN)	
64000.0	59.2	-62.1		97.7	566.0	251.8	14.5	1.000022
64500.0	57.8	-61.4		95.0	566.9	248.0	15.9	1.000021
65000.0	56.4	-60.7		92.4	567.8	244.5	17.8	1.000021
65500.0	55.0	-60.0		89.9	568.8	243.9	20.5	1.000020
66000.0	53.7	-59.8		87.7	569.0	247.3	24.4	1.000020
66500.0	52.4	-60.1		85.7	568.6	249.8	28.4	1.000019
67000.0	51.1	-60.4		83.7	568.3	253.7	30.9	1.000019
67500.0	49.9	-60.5		81.7	568.2	257.5	33.2	1.000018
68000.0	48.7	-58.8		79.2	570.4			1.000018
68500.0	47.6	-57.1		76.7	572.7			1.000017
69000.0	46.4	-55.4		74.3	574.9			1.000017

STATION ALTITUDE 4051.00 FEET MSL
 11 JAN. 77 1000 HRS MST
 ASCENSION NO. 12

MANDATORY LEVELS
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 TABLE VII

WSTM SITE COORDINATES
 450491.63 FEET E
 464023.05 FEET N

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE			REL.HUM. PERCENT	WIND DATA	
		AIR DEGREES	DEWPNT CENTIGRADE	DIRECTION DEGREES (TN)		SPEED KNOTS	
850.0	4962.	2.6	-12.8	31.	155.8	2.0	
800.0	6569.	3.3	-12.3	31.	22.9	7.6	
750.0	8281.	1.9	-14.7	78.	33.0	5.5	
700.0	10098.	-1.0	-21.7	19.	342.1	5.8	
650.0	12021.	-5.4	-24.2	21.	288.7	6.4	
600.0	14066.	-9.6	-25.8	25.	265.8	18.0	
550.0	16255.	-13.3	-27.5	29.	248.4	35.4	
500.0	18618.	-17.6	-35.1	20.	243.3	49.4	
450.0	21173.	-24.2	-28.9	65.	242.6	45.6	
400.0	23951.	-31.2	-31.3	99.	247.9	50.6	
350.0	27011.	-38.3	-44.1	54.	242.3	63.2	
300.0	30434.	-45.5			236.4	86.2	
250.0	34359.	-52.8			232.8	99.5	
200.0	39017.	-58.6			242.1	91.0	
175.0	41756.	-59.8			246.4	82.7	
150.0	44938.	-56.4			247.3	79.3	
125.0	48732.	-57.8			254.9	68.5	
100.0	53288.	-61.5			255.9	53.0	
80.0	57768.	-66.0			266.4	39.2	
70.0	60419.	-66.8			260.0	31.4	
60.0	63508.	-62.5			251.8	15.5	
50.0	67231.	-60.6			257.1	33.0	

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.